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SEQUENCE LISTING

<110> Applied Research Systems ARS Holding N.V.

5 <120> CC-CHEMOKINE MUTANTS AGAINST LIVER DISEASES

<130> WO801

<160> 3

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<170> PatentIn version 3.1

<210> 1

<211> 68

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<212> PRT

<213> synthetic construct

<220> Triple 40's RANTES mutant

<221> source

<223>

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Ser Pro Tyr Ser Ser Asp Thr Thr Pro Cys Cys Phe Ala Tyr Ile Ala

1 5 10 15

25

Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly

20 25 30

30

Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr Ala Ala Asn Ala Gln

35 40 45

- 2 -

Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser
50 55 60

5 Leu Glu Met Ser
65

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10 <211> 70
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<213> synthetic construct
<220> Triple MIP-1alpha mutant
<221> source
15 <223>

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Ala Ser Leu Ala Ala Asp Thr Pro Thr Ala Cys Cys Phe Ser Tyr Thr
20 1 5 10 15

Ser Ala Gln Ile Pro Gln Asn Phe Ile Ala Asp Tyr Phe Glu Thr Ser
20 25 30

25 Ser Gln Cys Ser Lys Pro Gly Val Ile Phe Leu Thr Lys Ala Ser Ala
35 40 45

Gln Val Cys Ala Asp Pro Ser Glu Glu Trp Val Gln Lys Tyr Val Ser
50 55 60

30 Asp Leu Glu Leu Ser Ala
65 70

- 3 -

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<213> synthetic construct

5 <220> Triple MIP-1beta mutant

<221> source

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Ala Pro Met Gly Ser Asp Pro Pro Thr Ala Cys Cys Phe Ser Tyr Thr

1 5 10 15

Ala Arg Lys Leu Pro Arg Asn Phe Val Val Asp Tyr Tyr Glu Thr Ser

15 20 25 30

Ser Leu Cys Ser Gln Pro Ala Val Val Phe Gln Thr Ala Ala Ser Ala

35 40 45

20 Gln Val Cys Ala Asp Pro Ser Glu Ser Trp Val Gln Glu Tyr Val Tyr

50 55 60

Asp Leu Glu Leu Asn

65